



X-1067 US  
10/090,257

PATENT  
Conf. No. 4111

#4  
10/22/02  
Jah

IN THE UNITED STATES PATENT OFFICE

Applicants: Hassan K. Bazargan et al.  
Assignee: Xilinx, Inc.  
Title: Method and Circuit for Hot Swap Protection  
Serial No.: 10/090,257 ✓ File Date: 3/1/2002  
Examiner: Unknown Art Unit: 2182  
Docket No.: X-1067 US Conf. No.: 4111

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COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

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PRELIMINARY AMENDMENT

Dear Sir:

Before taking action in the above-referenced case, please  
make the following amendments to the claims.

IN THE CLAIMS

**Please add Claims 16-29 as follows:**

16. (New) A system, comprising:

a system backplane; and

A  
a printed circuit board (PCB) inserted into the system  
backplane and coupled to receive power therefrom, the PCB  
comprising an integrated circuit that includes:

a first circuit that detects a hot swap condition  
during an insertion of the PCB into the system backplane  
when the system backplane is powered up;

a second circuit coupled to the first circuit that  
prevents a pn junction diode in a pull-up transistor from  
going into a forward bias condition; and

a third circuit coupled to the first and second  
circuits that prevents the pull-up transistor from turning  
on during the hot swap condition.

10/10/2002 EHAILE1 00000072 240040 10090257

01 FC:102 168.00 CH  
02 FC:103 252.00 CH

Please type a plus sign (+) inside this box → ☐

Modified 9-98

PTO/SB/21 (12-97)

Approved for use through 9/30/00. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

BOX:

Express Mail  
Receipt No.

Application / Conf. No.

10/090,257 / 4111

Filing Date

March 01, 2002

First Named Inventor

Hassan K. Bazargan

Examiner Name

Unknown

Group Art Unit

2182

Issue Fee Batch No.

Attorney Docket Number

X-1067 US

## ENCLOSURES (check all that apply)

☒ Fee Transmittal Form

☒ Amendment / Response

☒ Preliminary Amendment

☐ After Final

☐ Affidavit(s)/declaration(s)

☐ Extension of Time Request

☐ Change Status to LARGE ENTITY

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Substitute PTO-1449(s)  
IDS by Applicant (PTO/SB/08A)

☐ Certified Copy of Priority  
Document(s)

☐ Response to Missing Parts/  
Incomplete Application

☐ Response to Missing  
Parts under 37 CFR  
1.52 or 1.53

☐ Assignment Papers  
(with Recordation Cover Sheet)

☐ Declaration / Oath

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition -

☐ To Convert a  
Provisional Application

☐ Power of Attorney, Revocation  
Change of Correspondence  
Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ After Allowance Communication  
to

☐ Appeal Communication to Board  
of Appeals and Interferences

☐ Appeal Communication to Group  
(Appeal Notice, Brief, Reply Brief)

☐ Status Letter

☒ Return Receipt Postcard

☐ Additional Enclosure(s)  
(please identify below):

Remarks

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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or  
Customer Number

Attn:

H. C. Chan

24309

(Customer Number)

Reg. Number 35,477

Signature

Date

October 3, 2002

Charge any additional fees required/credit any overpayment  
to our Deposit Account Number: 24-0040

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D. C. 20231 on this date: October 3, 2002

Typed or Printed Name

Pat Slaback

Signature

Date

October 3, 2002

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$)**420.00**

## Complete if Known

Application / Conf. No.	10/090,257 / 4111
Filing Date	March 1, 2002
First Named Inventor	Hassan K. Bazargan
Examiner Name	Unknown
Group / Art Unit	2182
Attorney Docket No.	X-1067 US

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<b>METHOD OF PAYMENT (check one)</b>		<b>FEE CALCULATION (continued)</b>	
<b>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees, any additional fees required, and credit any over payments to:</b>		<b>3. ADDITIONAL FEES</b>	
Deposit Account Number: <b>24-0040</b>		Large Entity Fee Code (S) Fee Description	
Deposit Account Name: <b>XILINX, INC.</b>		105 130 Surcharge - late filing fee or oath	
<input type="checkbox"/> Charge the any additional Fee Required Under 37 CFR §§ 1.16 and 1.17		127 50 Surcharge - late provisional filing fee or cover sheet.	
<b>2. <input type="checkbox"/> Payment Enclosed:</b>		147 2,520 For filing a request for exparte reexamination	
<input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		112 920* Requesting publication of SIR prior to Examiner action	
<b>FEE CALCULATION</b>		113 1,840* Requesting publication of SIR after Examiner action	
<b>1. BASIC FILING FEE</b>		115 110 Extension for reply within first month	
Large Entity		116 400 Extension for reply within second month	
Fee Paid	Fee Description	117 920 Extension for reply within third month	
Code (S)	Fee	118 1,440 Extension for reply within fourth month	
101 740	Utility filing fee	128 1,960 Extension for reply within fifth month	
106 330	Design filing fee	119 320 Notice of Appeal	
107 540	Plant filing fee	120 320 Filing a brief in support of an appeal	
108 710	Reissue filing fee	121 270 Request for oral hearing	
114 150	Provisional filing fee	138 1,510 Petition to institute a public use proceeding	
SUBTOTAL (1) (\$)		140 110 Petition to revive - unavoidable	
<b>2. EXTRA CLAIM FEES</b>		141 1,240 Petition to revive - unintentional	
Total Claims -20** = 29 X 14 = 18 = \$252		142 1,280 Utility issue fee (or reissue)	
Indep. Claims 05 - 3** = 2 = 84 = \$168		122 130 Petitions to the Commissioner	
Multiple Dependent Claims		123 50 Petitions related to provisional applications	
**or number previously paid, if greater; For Reissues, see below		126 180 Submission of Information Disclosure Stmt	
Large Entity		581 40 Recording each patent assignment per property (times number of properties)	
Fee Paid	Fee Description	146 740 Filing a submission after final rejection (37 CFR 1.129(a))	
Code (S)	Fee	149 740 For each additional invention to be examined (37 CFR 1.129(b))	
103 18	Claims in excess of 20	179 740 Request for Continued Examination (RCE)	
102 84	Independent claims in excess of 3	Other fee (specify)	
104 270	Multiple dependent claim, if not paid	*Reduced by Basic Filing Fee Paid	
109 84	**Reissue independent claims over original patent	SUBTOTAL (3) (\$)	
110 18	**Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2) (\$) <b>420.00</b>			

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Name (Print/Type)	H. C. Chan	Registration No. (Attorney/Agent)	35,477
Signature		Telephone	408-879-6149
		Date	10-03-2002

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